INTERNATIONAL SEARCH REPORT

International application No.

A. CLASSIFICATION OF SUBJECT MATTER	FC1/0F	2004/013350
Int.Cl ⁷ B60B35/18, F16C19/18, F16C19	9/52, F16C41/00, G08C17/	02
According to International Patent Classification (IPC) or to both nation	nal classification and IPC	
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by control of Int.Cl ⁷ B60B35/00-35/18, F16C19/00-1	classification symbols) 19/56, F16C41/00-41/04,	
G08C17/00-17/06		
Documentation searched other than minimum documentation to the ext Jitsuyo Shinan Koho 1922–1996 J.	tent that such documents are included in the itsuyo Shinan Toroku Koho	e fields searched 1996–2004
-	oroku Jitsuyo Shinan Koho	1994-2004
Electronic data base consulted during the international search (name of	data base and, where practicable, search te	erms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category* Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
Y () JP 2003-262647 A (NTN Corp.)	,	1-5
19 September, 2003 (19.09.03) Column, 7, lines 37 to 48; Fi		
(Family: none)	19. 2	
Y (2) JP 2001-315501 A (NTN Corp.)		1-5
13 November, 2001 (13.11.01),	,	1 3
Fig. 13 (Family: none)		
Y (3) JP 2003-121454 A (NSK Ltd.),		
23 April, 2003 (23.04.03),		1-5
Fig. 4 & US 2003/0093188 A1 & EP	1329727 21	
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Further documents are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents:	"T" later document published after the inter	national filing date or priority
"A" document defining the general state of the art which is not considered to be of particular relevance date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the cla considered novel or cannot be considered.	aimed invention cannot be
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other	step when the document is taken alone "Y" document of particular relevance; the cla	
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means	considered to involve an inventive si combined with one or more other such d	ep when the document is
"P" document published prior to the international filing date but later than the priority date claimed	being obvious to a person skilled in the a "&" document member of the same patent fai	art .
Data of the second seco	•	
Date of the actual completion of the international search 19 October, 2004 (19.10.04)	Date of mailing of the international search 09 November, 2004 (report 09.11.04)
Name and mailing address of the ISA/ Japanese Patent Office	Authorized officer	
Facsimile No. Form PCT/ISA/210 (second sheet) (January 2004)	Telephone No.	

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International application No.
PCT/JP2004/013350

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P, Y(5)	JP 2003-287046 A (NTN Corp.), 10 October, 2003 (10.10.03), Figs. 1 to 5, 12 (Family: none)	1-6
A 6	US 5642944 A (Wilbur Leslie DUBLIN, Jr.), 01 July, 1997 (01.07.97), Figs. 2a to 3c & US 5806988 A & US 5810485 A	1-6
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